

1 stepped pressure equilibrium code : mg00aa

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1. Reads mgrid file, in binary format, and constructs ez spline interpolation.
2. The read format of the (binary) mgrid file is as follows:

```
open(unit,file="mgrid",status='old',action='read',form='unformatted',iostat=ios)
read(unit,iostat=ios) NR, NZ, NP, nfp, nextcur ! integers;
read(unit,iostat=ios) Rmin, Zmin, Rmax, Zmax ! doubles;
read(unit,iostat=ios) curlabel(1:nextcur) ! character*30
do iextcur = 1, nextcur
  read(unit,iostat=ios)Brzp(1:3,1:NR,1:NZ,1:NP) ! doubles;
enddo
close(unit)
```

3. Note that $\mathbf{B} \cdot \hat{\phi} \hat{\phi} = \mathbf{B} \cdot \hat{\phi} R^{-1} \mathbf{e}_\phi$ implies that $B^\phi = \mathbf{B} \cdot \hat{\phi} / R$.

mg00aa.h last modified on 2014-09-09 ;
